

HOW GOOD ARE THE PREDICTIONS FOR
OSCILLATION FREQUENCIES? KIRAN JAIN S. C. TRIPATHY A. BHATNAGAR JAIN, TRIPATHY,
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abstract We have used available intermediate degree p -mode frequencies for the solar cycle 23 to check the
validity of previously derived empirical relations for frequency shifts (Jain *et al.*: 2000, *Solar Phys.* **192**,
487). We find that the calculated and observed frequency shifts during the rising phase of the cycle 23 are in
good agreement. The observed frequency shift from minimum to maximum of this cycle as calculated from
MDI frequency data sets is 251 ± 7 nHz and from GONG data is 238 ± 11 nHz. These values are in close
agreement with the empirically predicted value of 271 ± 22 nHz.





